

# Museum Applications



**hanwell**  
INSTRUMENTS LIMITED



**ccr30** - control

## Control products

H U M I D I T Y C O N T R O L

### Typical Applications

- Temporary climate control
- Galleries
- Archives
- Museums
- Libraries
- Storage rooms

### Options & Accessories

- Hanwell radio control
- Automatic flood detection
- Air scoop to duct output
- BMS interphase
- Water filters
- Alarm outputs
- Hot gas defrost

The ccr30 combines a humidifier, a dehumidifier and a radio control system into one unit, actuated by signals from Hanwell T/RH telemetry units. The ccr30 allows the control of relative humidity over the full range required for preventive conservation, with a user adjustable switching hysteresis. The hardware is guaranteed never to allow the dehumidifier and humidifier to be on simultaneously.

The ccr30 is designed to give precise and automatic control of humidity levels based on signals received from Hanwell radio telemetry sensors. Problems created by microclimates in the vicinity of the plant are completely removed by the use of remote radio sensors. Built to the highest standards, the ccr30 will give

years of trouble free service with minimal maintenance.

### MAIN FEATURES:

- Humidity set point and dead band are adjustable by the user.
- The controller ensures there is no possibility of the humidifier and dehumidifier being on simultaneously.
- Open electrode boiler humidifier ensures sterile water vapour and scale retention.
- Steam exit design ensures minimum visibility and low temperatures.
- Microprocessor controlled with a host of safety features ensuring reliable operation.

### Specification

(Accuracy quoted is combined instrument and sensor)

ISO9001:2000 certified

<b>Case height</b>	76cm	<b>Dehumidifier type</b>	Refrigerant (R407C)
<b>Case width</b>	115cm	<b>Fan</b>	Centrifugal 550 m <sup>3</sup> /hour
<b>Case depth</b>	25.8cm	<b>Min operating temp</b>	15°C (5°C with hot gas defrost)
<b>Weight</b>	70 kg	<b>Performance</b>	See chart below
<b>Case material</b>	Powder coated steel		
<b>Colour</b>	White (other colours available)		
<b>Power requirements</b>	240 volts 50/60Hz AC 1.5kW		
<b>Water supply</b>	Mains fed(filtered not softened)		
<b>Drain</b>	Gravity drain		
<b>Range control sensor</b>	0 - 100% RH -20 - +80°C		
<b>Accuracy control sensor</b>	+/- 2% RH +/- 0.5°C		
<b>Humidifier type</b>	Open electrode steam boiler		
<b>Performance</b>	2 litres per hour		



- DATALOGGERS
- CONTROL PRODUCTS
- TEMPERATURE
- RADIOLOGGERS
- HUMIDIFIERS/DEHUMIDIFIERS
- RADIO TELEMETRY

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